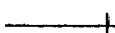
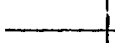




5. The class was intended to be weighted towards a blackboard-pictorial development in order to convey modelling concepts more readily. Please rate:

Diagrammatic presentation	1		10
Mix of vuegraphs & chalkboard	1		10

6. The symbology of various systems disciplines is confusing due to the separate source developments. An effort at consistency was made in order to permit cross interpretation within the technical literature. Please rate effectiveness:

Common symbology	1		10
Example illustrations	1		10

7. The intent of notes and handout material furnished throughout the month was to tie course topics to technical literature. Please rate:

Effectiveness of handout reprints	1		10
Effectiveness of specially developed handouts	1		10

8. General impedimenta such as same room same day/month, same format, etc., for providing continuity. Please rate:

Room	1		10
Day	1		10
Daily sequence	1		10

9. The course was designed to present a semi-unitary approach to several disciplines: Please rate applicable areas 1-10:

Communications	<u>8</u>	Optics	<u>6</u>	Acoustics	<u>6</u>
Hum. Eng. & Biomed.	<u>8</u>	Seismics	<u>7</u>	Pictorial	<u>7</u>
Computer Technology	<u>6</u>				

SUBSTANCE

RATING

10. The course material was split 50% basic math tools and 50% in commonality subsystems. (Those subsystems which are pervasive in designs across disciplines.) The sequence was that recommended by ASEE for math modelling related to several fields. Please rate:

Balance of material	1		10
Total content	1		10

The sequence is given below for each session. Please give your rating for both material content and for the applications given both formally and in the course of concept development.

11. Session I; Vectorial Representation; matrices, num. analysis, linear systems, sampling, manipulation

Material	1		10
Application	1		10


12. Session II; Transforms; convolution, Fourier and Laplace transformations, Z transforms, impulse response, numerical analysis.

Material	1		10
Application	1		10

13. Session III; Probability and Statistics; random var., expectancy, density functions, distributions, confidence limits

Material	1		10
Application	1		10

14. Session IV; Stochastic Variable; stationarity, ergodicity, moments, correlation, power spectral density, white noise, square law detection.

Material	1		10
Application	1		10

15. Session V; Signal Detection; value, cost likelihood ratio detection, Bayes Law.

Material
Application

1	_____		✓	10
1	_____		✓	10

16. Session VI; Detector Subsystems I; receiver operating characteristics, detection situations, S/N ratio, data smoothing and prediction.

Material
Application

1	_____		✓	10
1	_____		✓	10

17. Session VII; Detector Subsystems II; non-white noise, whitening, matched filtering, threshold, detectability Markov chains.

Material
Application

1	_____		✓	10
1	_____		✓	10

18. Session VIII; Spatial Processing I; space-time relationships, spatial filtering, correlation matrix for signal and noise.

Material
Application

1	_____		✓	10
1	_____		✓	10

19. Session IX Spatial Processing II; optimum array, shading, optimum filtering, lobe periodicity.

Material
Application

1	_____		✓	10
1	_____		✓	10

20. Session X; Servomechanisms and Control; closed loop systems, regulation, feedback, root locus, stability criteria, bang-bang systems.

Material	1	_____		_____	10
Application	1	_____		_____	10

21. Session XI; Modulation; analog modulation, AM, FM, PM, suppressed band modulation, effects of index of modulation noise immunity.

Material	1	_____		_____	10
Application	1	_____		_____	10

22. Session XII; Modulation; PPM, PWM, PCM, error correction codes, noise immunity, entropy. (Content Only)

Material	1	_____		_____	10
Application	1	_____		_____	10